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 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
                  minutes
 NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
                  (CS) field
 NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
 NEWS 5 AUG 24 CA/CAplus enhanced with legal status information for
                  U.S. patents
 NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
                  CAS REGISTRY
 NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
                  thesaurus
 NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
                  Taiwanese Content Expanded
 NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
                  translated claims for Chinese Applications and
                  Utility Models
 NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
 NEWS 11 NOV 23 Annual Reload of IFI Databases
 NEWS 12 DEC 01 FRFULL Content and Search Enhancements
 NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity
                  feature for sorting BLAST answer sets
 NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM
                  thesaurus added
 NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status
                  display data from INPADOCDB
 NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and
                  sequence information

 NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
              AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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10/572,794

FILE 'HOME' ENTERED AT 10:49:13 ON 10 DEC 2009

=> file reg

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FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 10:49:23 ON 10 DEC 2009
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STRUCTURE FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4
DICTIONARY FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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=>
Uploading C:\Program Files\Stnexp\Queries\10572794.str
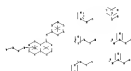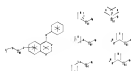
chain nodes :
11 18 19 20 24 25 26 27 30 31 32 33 34 37 38 39 40 41 44 45 46
47 48 51 52 53 54 55 58 59 60 61 62 79

```
ring nodes :
1  2  3  4  5  6  7  8  9  10  12  13  14  15  16  17
chain bonds :
7-11   11-12   18-19   19-20   20-79   24-25   24-26   26-27   30-31   30-32   30-33   33-34
37-38   37-41   38-39   39-40   44-45   45-46   45-48   46-47   51-52   51-54   52-53   53-55
58-59   59-60   59-62   60-61
ring bonds :
1-2   1-6   2-3   2-7   3-4   3-10   4-5   5-6   7-8   8-9   9-10   12-13   12-17   13-14   14-15
  15-16   16-17
exact/norm bonds :
7-11   11-12   18-19   19-20   20-79   24-25   26-27   30-31   30-32   30-33   33-34   37-38
37-41   38-39   39-40   44-45   45-48   46-47   51-52   51-54   52-53   53-55   58-59   59-62
60-61
exact bonds :
24-26   45-46   59-60
normalized bonds :
1-2   1-6   2-3   2-7   3-4   3-10   4-5   5-6   7-8   8-9   9-10   12-13   12-17   13-14   14-15
  15-16   16-17
isolated ring systems :
containing 1 : 12 :


G1:[*1],[*2],[*3],[*4],[*5],[*6]


Hydrogen count :
9:= exact 1
Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:CLASS   12:Atom   13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:CLASS
20:Atom   23:Atom   24:CLASS   25:Atom   26:CLASS   27:CLASS   30:CLASS   31:CLASS
32:CLASS   33:CLASS   34:Atom   37:CLASS   38:CLASS   39:CLASS   40:Atom   41:CLASS
44:CLASS   45:CLASS   46:CLASS   47:Atom   48:CLASS   51:CLASS   52:CLASS   53:CLASS
54:CLASS   55:Atom   58:CLASS   59:CLASS   60:CLASS   61:Atom   62:CLASS   79:CLASS
Generic attributes :
20:
Saturation              : Saturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : Exactly 1
Type of Ring System     : Monocyclic
25:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
34:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
40:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
47:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
55:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
61:
```

Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System   : Monocyclic

Element Count :
Node 20: Limited
     C,C5
     N,N1

Node 25: Limited
     C,C3
     O,O1
     N,N1

Node 34: Limited
     C,C3
     O,O1
     N,N1

Node 40: Limited
     C,C3
     O,O1
     N,N1

Node 47: Limited
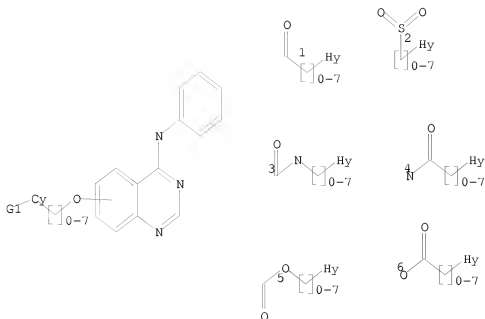   C,C3
     O,O1
     N,N1

Node 55: Limited
     C,C3
     O,O1
     N,N1

Node 61: Limited
     C,C3
     O,O1
     N,N1

L1   STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1   STR

G1 [@1], [@2], [@3], [@4], [@5], [@6]

Structure attributes must be viewed using STN Express query preparation.

```
=> s L1 full
FULL SEARCH INITIATED 10:49:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    38995 TO ITERATE

100.0% PROCESSED    38995 ITERATIONS                        12 ANSWERS
SEARCH TIME: 00.00.02

L2          12 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY      SESSION
FULL ESTIMATED COST                             185.88       186.10

FILE 'CAPLUS' ENTERED AT 10:50:02 ON 10 DEC 2009
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FILE COVERS 1907 – 10 Dec 2009 VOL 151 ISS 24
FILE LAST UPDATED: 9 Dec 2009 (20091209/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate
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```
=> s l2
L3          1 L2

=> d l3 1- ibib abs hitstr
YOU HAVE REQUESTED DATA FROM 1 ANSWERS – CONTINUE? Y/(N):y

L3    ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:          2005:300441  CAPLUS
DOCUMENT NUMBER:           142:355279
TITLE:                     A preparation of quinazoline derivatives, useful for
                           prevention or treatment of tumors sensitive to
                           inhibition of ErbB receptor tyrosine kinases
INVENTOR(S):               Barlaam, Bernard Christophe; Halsall, Christopher
                           Thomas; Hennequin, Laurent Francois Andre
PATENT ASSIGNEE(S):        Astrazeneca AB, Swed.; Astrazeneca UK Ltd.
SOURCE:                    PCT Int. Appl., 139 pp.
                           CODEN: PIXXD2
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:

     PATENT NO.            KIND   DATE         APPLICATION NO.         DATE
     ---------------       ----   --------     -------------------     --------
     WO 2005030765         A1     20050407     WO 2004-GB4137          20040922
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004276067         A1     20050407     AU 2004-276067          20040922
     CA 2540019            A1     20050407     CA 2004-2540019         20040922
     EP 1668006            A1     20060614     EP 2004-768680          20040922
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR
     BR 2004014772         A      20061121     BR 2004-14772           20040922
     CN 1882580            A      20061220     CN 2004-80034531        20040922
     JP 2007506725         T      20070322     JP 2006-527495          20040922
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     US 20060287295    A1    20061221    US 2006-572794        20060321
     MX 2006003422     A     20060620    MX 2006-3422          20060324
     ZA 2006002434     A     20070725    ZA 2006-2434          20060324
     ZA 2006002444     A     20070926    ZA 2006-2444          20060324
     NO 20060001746    A     20060420    NO 2006-1746          20060420
     KR 2006095767     A     20060901    KR 2006-707934        20060424
PRIORITY APPLN. INFO.:                   GB 2003-22409       A 20030925
                                         WO 2004-GB4137      W 20040922
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S):        CASREACT 142:355279; MARPAT 142:355279
GI
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to a preparation of quinazoline derivs. of formula I
      [wherein: one of R1 or R4 is (un)substituted (cyclo)alkoxy group; R2 is H
      or alkyl; R3 is Ph with 1 to 5 same or different substituents], useful for
      prevention or treatment of tumors sensitive to inhibition of ErbB receptor
      tyrosine kinases (antiproliferative agents). For instance, quinazoline
      derivative II (inhibition of tyrosine kinase protein phosphorylation: IC50 =
      14 nM; EGFR driven KB cell proliferation: IC50 = 16 nM) was prepared via
      amidation of 2-pyridinecarboxylic acid by piperidine derivative III with a
      yield of 30%.
```
IT    849147-09-7P     849147-11-1P     849147-12-2P
      849147-13-3P     849147-14-4P     849147-15-5P
      849147-16-6P     849147-42-8P     849147-43-9P
      849147-96-2P     849148-12-5P
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
         (preparation of quinazoline derivs. useful as antiproliferative agents)
RN    849147-09-7  CAPLUS
CN    Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
      quinazolinyl]oxy]-1-piperidinyl]-5-isoxazolyl-  (CA INDEX NAME)
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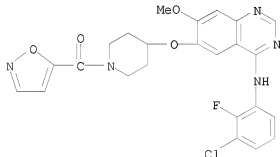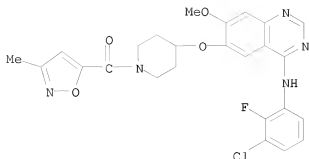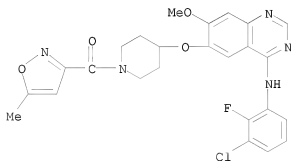


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RN    849147-11-1  CAPLUS
CN    Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
      quinazolinyl]oxy]-1-piperidinyl](3-methyl-5-isoxazolyl)-  (CA INDEX NAME)
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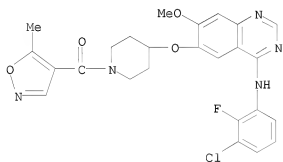RN   849147-12-2 CAPLUS
CN   Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
      quinazolinyl]oxy]-1-piperidinyl](5-methyl-3-isoxazolyl)- (CA INDEX NAME)
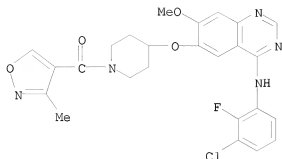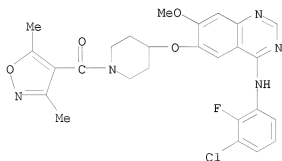

RN   849147-13-3 CAPLUS
CN   Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
      quinazolinyl]oxy]-1-piperidinyl](5-methyl-4-isoxazolyl)- (CA INDEX NAME)

RN   849147-14-4 CAPLUS
CN   Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
      quinazolinyl]oxy]-1-piperidinyl](3-methyl-4-isoxazolyl)- (CA INDEX NAME)
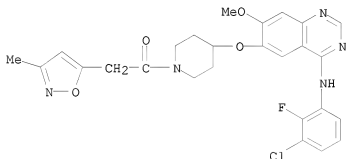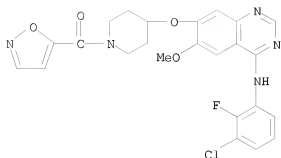
RN 849147-15-5 CAPLUS
CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
    quinazolinyl]oxy]-1-piperidinyl](3,5-dimethyl-4-isoxazolyl)- (CA INDEX
    NAME)

RN 849147-16-6 CAPLUS
CN Ethanone, 1-[4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-
    quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX
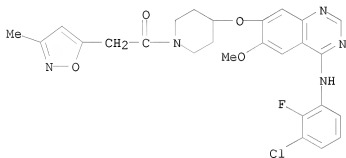   NAME)

RN 849147-42-8 CAPLUS
CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-6-methoxy-7-
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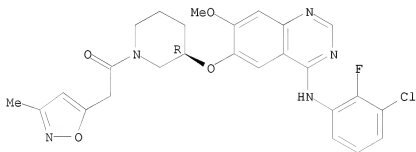
RN 849147-43-9 CAPLUS
CN Ethanone, 1-[4-[[4-[(3-chloro-2-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX NAME)
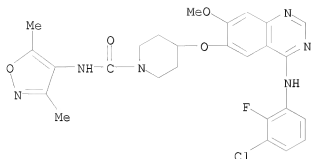

RN 849147-96-2 CAPLUS
CN Ethanone, 1-[(3R)-3-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 849148-12-5 CAPLUS
CN 1-Piperidinecarboxamide, 4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-N-(3,5-dimethyl-4-isoxazolyl)- (CA INDEX NAME)

```
OS.CITING REF COUNT:      1      THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
                                 (1 CITINGS)
REFERENCE COUNT:          5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d his

     (FILE 'HOME' ENTERED AT 10:49:13 ON 10 DEC 2009)

     FILE 'REGISTRY' ENTERED AT 10:49:23 ON 10 DEC 2009
L1              STRUCTURE UPLOADED
L2         12 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 10:50:02 ON 10 DEC 2009
L3          1 S L2

=> log y
COST IN U.S. DOLLARS                         SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                          XXXXXXXXXXXXXXXXX

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE      TOTAL
                                              ENTRY        SESSION
CA SUBSCRIBER PRICE                             -0.82        -0.82

STN INTERNATIONAL LOGOFF AT 10:50:25 ON 10 DEC 2009
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